

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final				Quantity	Remark	
from	To				Length	Breadth					Depth
					(m)	B1	B2	Avg B			(m)
Item no.01		Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts as per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Culvert Pcc									
		W0364	Cum	2	7.80	0.45	0.45	0.45	0.50	3.51	
		Cross Road	Cum	2	7.00	0.45	0.45	0.45	0.50	3.15	
Total Executed Quantity									6.66		
Qty Carried to Summary									6.66		



Contractor

PMC

[Signature]
Assistant Engineer

[Signature] 4/13/2022
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B	(m)			
Item no.03		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		8th Cross Road										
		W0332										
		LHS										
		West to East										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
30	36.7		Cum	1	6.70	1.20	1.20	1.20	0.90	7.24		
		RHS										
		East to West										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	26.1		Cum	1	11.10	1.20	1.20	1.20	0.90	11.99		
		W0324										
		RHS										
		West to East										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
0	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	59.3		Cum	1	14.30	1.20	1.20	1.20	0.90	15.44		
		W0529										
		LHS										
		South to North										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
0	42.5		Cum	1	12.50	1.20	1.20	1.20	0.90	13.50		
		RHS										
		North to South										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
0	35.5		Cum	1	5.50	1.20	1.20	1.20	0.90	5.94		
		W0318										
		LHS										
		West to East										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
0	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
5	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
0	66.5		Cum	1	6.50	1.20	1.20	1.20	0.90	7.02		
		RHS										
		East to West										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		



Contractor

Assistant Engineer
B.M.P. Bangalore Municipal Corporation

Assistant Executive Engineer
B.M.P. Bangalore Municipal Corporation

304-13

PRE MEASUREMENT SHEET

First and Final

Mainage m	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
						B1	B2	Avg B			
30			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
60			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
61.5			Cum	1	1.50	1.20	1.20	1.20	0.90	1.62	
		W0324									
		LHS									
		West to East									
15			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
51.5			Cum	1	6.50	1.20	1.20	1.20	0.90	7.02	
		RHS									
		East to West									
15			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
43.5			Cum	1	13.50	1.20	1.20	1.20	0.90	14.58	
		W0326									
		LHS									
		North to South									
15			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
23.3			Cum	1	8.30	1.20	1.20	1.20	0.90	8.96	
		RHS									
		South to North									
15			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
17			Cum	1	2.00	1.20	1.20	1.20	0.90	2.16	
		W0537									
		LHS									
		West to East									
15			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
51.5			Cum	1	6.50	1.20	1.20	1.20	0.90	7.02	
57.8		Road Break	Cum	1	0.00	1.20	1.20	1.20	0.90	0.00	
72.8			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
85			Cum	1	12.20	1.20	1.20	1.20	0.90	13.18	
		RHS									
		East to West									
15			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
60			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
75			Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
85			Cum	1	10.00	1.20	1.20	1.20	0.90	10.80	
		W0537 Dead End									
		North to South									
7.8			Cum	1	7.80	1.20	1.20	1.20	0.90	8.42	

381.56



Contractor

PMC

Assistant Engineer
 ದಿ.ವಿ.ಎಂ.ಪಿ. ಮ್ಯಾಟರಿಯಲಿಸಮ್ ಉಪ ನಿರ್ದೇಶಕರು

Assistant Executive Engineer
 ಮ್ಯಾಟರಿಯಲಿಸಮ್ ಉಪ ನಿರ್ದೇಶಕರು

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final				Depth (m)	Quantity	Remark
From	To				Length (m)	Breadth					
					B1	B2	Avg B				
		W0529									
		LHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	27		Cum	1	12.00	1.20	1.20	1.20	0.90	12.96	
		RHS									
		South to North									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	26.5		Cum	1	11.50	1.20	1.20	1.20	0.90	12.42	
		Govt. School Road Dasarahalli									
		W0364									
		LHS									
		East to West									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
60	68.8		Cum	1	8.80	1.20	1.20	1.20	0.90	9.50	
68.8	78.8	No Work	Cum	1	0.00	1.20	1.20	1.20	0.90	0.00	
78.8	90		Cum	1	11.20	1.20	1.20	1.20	0.90	12.10	
90	105		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
105	120		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
120	132.5		Cum	1	12.50	1.20	1.20	1.20	0.90	13.50	
0	6.7		Cum	1	6.70	1.20	1.20	1.20	0.90	7.24	
		Maruthi Layout									
		5th Cross Road									
		LHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	53.5		Cum	1	8.50	1.20	1.20	1.20	0.90	9.18	
		RHS									
		South to North									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	59		Cum	1	14.00	1.20	1.20	1.20	0.90	15.12	
		W0630									
		RHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	24.5		Cum	1	9.50	1.20	1.20	1.20	0.90	10.26	
24.5	34.5		Cum	1	10.00	1.20	1.20	1.20	0.90	10.80	
34.5	45		Cum	1	10.50	1.20	1.20	1.20	0.90	11.34	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
60	67.5		Cum	1	7.50	1.20	1.20	1.20	0.90	8.10	
		LHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	



Contractor

Assistant Engineer

Assistant Executive Engineer

424/12

7/3/2022

PRE MEASUREMENT SHEET

Chainage		First and Final								Quantity	Remark
From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)		
0	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
0	75		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	90		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
0	105		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	107.5		Cum	1	2.50	1.20	1.20	1.20	0.90	2.70	
		W1047									
		RHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
0	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	55		Cum	1	10.00	1.20	1.20	1.20	0.90	10.80	
5	70		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
		W1055									
		RHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	19.8	Culvert	Cum	0	0.00	1.20	1.20	1.20	0.90	0.00	
0	30		Cum	1	10.20	1.20	1.20	1.20	0.90	11.02	
0	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
0	75		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	84.2		Cum	1	9.20	1.20	1.20	1.20	0.90	9.94	
		Maruthi Layout									
		2nd Cross Road									
		LHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
0	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
5	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
0	64.1		Cum	1	4.10	1.20	1.20	1.20	0.90	4.43	
		Culvert Pcc									
		W0364	Cum	1	7.80	1.40	1.40	1.40	0.85	9.28	
		W0630	Cum	1	4.80	1.40	1.40	1.40	0.85	5.71	
		Cross Road	Cum	1	7.00	1.70	1.70	1.70	0.95	11.31	
		W0332	Cum	1	7.30	1.70	1.70	1.70	0.95	11.79	
		W0324	Cum	1	6.70	1.70	1.70	1.70	0.95	10.82	
		W0324	Cum	1	6.20	1.70	1.70	1.70	0.95	10.01	
		W0529	Cum	1	7.00	1.70	1.70	1.70	0.95	11.31	
Total Executed Quantity										1494.32	
Qty Carried to Summary										1494.32	



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
age Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)		B1	B2	Avg B			
Item no. 04		Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Drain PCC										
		Maruthi Layout										
		8th Cross Road										
		W0332										
		LHS										
		West to East										
	15		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	30		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	36.7		Cum	1	6.70	✓	1.20	✓	1.20	✓	0.15	1.21 ✓
		RHS										
		East to West										
	15		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	26.1		Cum	1	11.10	✓	1.20	✓	1.20	✓	0.15	2.00 ✓
		W0324										
		RHS										
		West to East										
	15		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	30		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	45		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	59.3		Cum	1	14.30	✓	1.20	✓	1.20	✓	0.15	2.57 ✓
		W0529										
		LHS										
		South to North										
	15		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	30		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	42.5		Cum	1	12.50	✓	1.20	✓	1.20	✓	0.15	2.25 ✓
		RHS										
		North to South										
	15		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	30		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	35.5		Cum	1	5.50	✓	1.20	✓	1.20	✓	0.15	0.99 ✓
		W0318										
		LHS										
		West to East										
	15		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	30		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	45		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	60		Cum	1	15.00	✓	1.20	✓	1.20	✓	0.15	2.70 ✓
	66.5		Cum	1	6.50	✓	1.20	✓	1.20	✓	0.15	1.17 ✓



Contractor

8/3/22
 Assistant Executive Engineer

8/3/22
 Assistant Executive Engineer

47.99

PRE MEASUREMENT SHEET

Chainage		First and Final									Quantity	Remark
From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)			
						B1	B2	Avg B				
		RHS										
		East to West										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
50	61.5		Cum	1	1.50	1.20	1.20	1.20	0.15	0.27		
		W0324										
		LHS										
		West to East										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
5	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
0	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
5	51.5		Cum	1	6.50	1.20	1.20	1.20	0.15	1.17		
		RHS										
		East to West										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
5	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
0	43.5		Cum	1	13.50	1.20	1.20	1.20	0.15	2.43		
		W0326										
		LHS										
		North to South										
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
23.3			Cum	1	8.30	1.20	1.20	1.20	0.15	1.49		
		RHS										
		South to North										
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
17			Cum	1	2.00	1.20	1.20	1.20	0.15	0.36		
		W0537										
		LHS										
		West to East										
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
30			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
45			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
51.5			Cum	1	6.50	1.20	1.20	1.20	0.15	1.17		
57.8		Road Break	Cum	1	0.00	1.20	1.20	1.20	0.15	0.00		
72.8			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
85			Cum	1	12.20	1.20	1.20	1.20	0.15	2.20		
		RHS										
		East to West										
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
30			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
45			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
60			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
75			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70		
85			Cum	1	10.00	1.20	1.20	1.20	0.15	1.80		
		W0537 Dead End										
		North to South										
7.8			Cum	1	7.80	1.20	1.20	1.20	0.15	1.40		



Assistant Engineer

Assistant Executive Engineer

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PRE MEASUREMENT SHEET

Mainage m	To	Description of Item	Unit	No	First and Final				Depth (m)	Quantity	Remark
					Length (m)	B1	B2	Avg B			
		W0529									
		LHS									
		North to South									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
27			Cum	1	12.00	1.20	1.20	1.20	0.15	2.16	
		RHS									
		South to North									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
26.5			Cum	1	11.50	1.20	1.20	1.20	0.15	2.07	
		Govt. School Road Dasarahalli									
		W0364									
		LHS									
		East to West									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
60			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
68.8			Cum	1	8.80	1.20	1.20	1.20	0.15	1.58	
78.8		No Work	Cum	1	0.00	1.20	1.20	1.20	0.15	0.00	
90			Cum	1	11.20	1.20	1.20	1.20	0.15	2.02	
105			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
120			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
132.5			Cum	1	12.50	1.20	1.20	1.20	0.15	2.25	
6.7			Cum	1	6.70	1.20	1.20	1.20	0.15	1.21	
		Maruthi Layout									
		5th Cross Road									
		LHS									
		North to South									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
53.5			Cum	1	8.50	1.20	1.20	1.20	0.15	1.53	
		RHS									
		South to North									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
59			Cum	1	14.00	1.20	1.20	1.20	0.15	2.52	
		W0630									
		RHS									
		West to East									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
24.5			Cum	1	9.50	1.20	1.20	1.20	0.15	1.71	
34.5			Cum	1	10.00	1.20	1.20	1.20	0.15	1.80	
45			Cum	1	10.50	1.20	1.20	1.20	0.15	1.89	
60			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
67.5			Cum	1	7.50	1.20	1.20	1.20	0.15	1.35	
		LHS									
		West to East									
15			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30			Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	



ontactor

Assistant Engineer

Assistant Executive Engineer

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PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final				Depth (m)	Quantity	Remark
From	To				Length (m)	Breadth					
						B1	B2	Avg B			
0	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
5	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
10	75		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	90		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
20	105		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
25	107.5		Cum	1	2.50	1.20	1.20	1.20	0.15	0.45	
		W1047									
		RHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
5	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
10	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	55		Cum	1	10.00	1.20	1.20	1.20	0.15	1.80	
15	70		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
		W1055									
		RHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
5	19.8	Culvert	Cum	0	0.00	1.20	1.20	1.20	0.15	0.00	
19.8	30		Cum	1	10.20	1.20	1.20	1.20	0.15	1.84	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
60	75		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
75	84.2		Cum	1	9.20	1.20	1.20	1.20	0.15	1.66	
		Maruthi Layout									
		2nd Cross Road									
		LHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
60	64.1		Cum	1	4.10	1.20	1.20	1.20	0.15	0.74	
		Culvert Pcc									
		W0364	Cum	1	7.80	1.40	1.40	1.40	0.15	1.64	
		W0630	Cum	1	4.80	1.40	1.40	1.40	0.15	1.01	
		Cross Road	Cum	1	7.00	1.70	1.70	1.70	0.15	1.79	
		W0332	Cum	1	7.30	1.70	1.70	1.70	0.15	1.86	
		W0324	Cum	1	6.70	1.70	1.70	1.70	0.15	1.71	
		W0324	Cum	1	6.20	1.70	1.70	1.70	0.15	1.58	
		W0529	Cum	1	7.00	1.70	1.70	1.70	0.15	1.79	

63.75

Contractor



Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length		B1	B2	Avg B	(m)		
Measurements taken on												
		Road PCC										
		Maruthi Layout										
		W1047										
		(From North to South)										
0	10		Cum	1	10.00	2.10	2.25	2.18	0.15	3.26	-	
10	15		Cum	1	5.00	2.80	2.50	2.65	0.15	1.99	-	
15	30		Cum	1	15.00	2.50	2.35	2.43	0.15	5.46	-	
30	36.6		Cum	1	6.60	2.35	2.10	2.23	0.15	2.20	-	
6.6	45		Cum	1	8.40	2.80	3.25	3.03	0.15	3.81	-	
45	60		Cum	1	15.00	3.25	3.35	3.30	0.15	7.43	-	
50	66.5		Cum	1	6.50	3.35	3.35	3.35	0.15	3.27	-	
		W0630										
		(From West to East)										
0	15		Cum	1	15.00	4.70	4.30	4.50	0.15	10.13	-	
15	30		Cum	1	15.00	4.30	4.00	4.15	0.15	9.34	-	
30	45		Cum	1	15.00	4.00	3.40	3.70	0.15	8.33	-	
45	60		Cum	1	15.00	3.40	3.25	3.33	0.15	7.48	-	
60	75		Cum	1	15.00	3.25	3.20	3.23	0.15	7.26	-	
75	76.9		Cum	1	1.90	3.20	3.10	3.15	0.15	0.90	-	
5.9	90		Cum	1	13.10	4.50	4.30	4.40	0.15	8.65	-	
90	105		Cum	1	15.00	4.30	4.35	4.33	0.15	9.73	-	
105	114.1		Cum	1	9.10	4.35	4.65	4.50	0.15	6.14	-	
		W1049										
		(From North to South)										
0	15		Cum	1	15.00	3.80	3.80	3.80	0.15	8.55	-	
15	30		Cum	1	15.00	3.80	4.00	3.90	0.15	8.78	-	
30	45		Cum	1	15.00	4.00	4.00	4.00	0.15	9.00	-	
45	60		Cum	1	15.00	4.00	4.10	4.05	0.15	9.11	-	
60	64.8		Cum	1	4.80	4.10	3.80	3.95	0.15	2.84	-	
6.8	67.5		Cum	1	2.70	3.80	4.40	4.10	0.15	1.66	-	
		W1035										
		(From West to East)										
0	7.6		Cum	1	7.60	3.20	3.00	3.10	0.15	3.53	-	
7.6	14		Cum	1	6.40	3.70	3.00	3.35	0.15	3.22	-	
14	22.9		Cum	1	8.90	3.80	3.50	3.65	0.15	4.87	-	
22.9	29.5		Cum	1	6.60	5.00	4.70	4.85	0.15	4.80	-	
29.5	40		Cum	1	10.50	4.40	2.80	3.60	0.15	5.67	-	
40	53.4		Cum	1	13.40	2.80	3.00	2.90	0.15	5.83	-	
		W1035										
		(From West to East)										
0	15		Cum	1	15.00	2.60	2.60	2.60	0.15	5.85	-	
15	23.4		Cum	1	8.40	2.60	2.60	2.60	0.15	3.28	-	
		W0529										
		(From North to South)										
0	5.2		Cum	1	5.20	5.80	5.80	5.80	0.15	4.52	-	
5.2	15		Cum	1	9.80	3.90	3.90	3.90	0.15	5.73	-	
15	26.3		Cum	1	11.30	3.90	3.90	3.90	0.15	6.61	-	

189.21



Contractor

Signature of Contractor
Date: 30/03/2022

Signature of Engineer
Date: 30/03/2022
Executive Engineer
Municipal Corporation
Bangalore

PRE MEASUREMENT SHEET

Chainage		First and Final									
From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
		W0348									
		From West to East									
0	15		Cum	1	15.00	5.20	4.70	4.95	0.15	11.14	
15	30		Cum	1	15.00	4.70	4.70	4.70	0.15	10.58	
30	45		Cum	1	15.00	4.70	4.80	4.75	0.15	10.69	
45	60		Cum	1	15.00	4.80	4.70	4.75	0.15	10.69	
60	75		Cum	1	15.00	4.70	3.90	4.30	0.15	9.68	
		W0609									
		From South to North									
0	15		Cum	1	15.00	4.70	4.50	4.60	0.15	10.35	
15	30		Cum	1	15.00	3.90	4.10	4.00	0.15	9.00	
30	37.2		Cum	1	7.20	4.10	4.00	4.05	0.15	4.37	
		Chamber									
			Cum	-7	0.44				0.15	-0.46	76.02
					Area of circle=(3.14X0.75²)/4=0.44						
Total Executed Quantity										513.95	
Qty Carried to Summary										513.95	



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
age Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Item no.05		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		For Drain	Tonne	From Steel Calculation Sheet						31.14	
		For Culvert	Tonne	From Steel Calculation Sheet						2.42	
Total Executed Quantity										33.57	
Qty Carried to Summary										33.57	



Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

13

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Aurahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

STEEL CALCULATION

SI NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item no.05	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements Taken On;									
Present Bill Measurements									
For RCC Drain									
Maruthi Layout									
8th Cross Road									
W0332									
LHS									
West to East									
Main Bars (#12@140 c/c)									
	1 ✓	12 ✓	262 ✓	262 ✓	2.40 ✓	629.14 ✓	0.89 ✓	558.56 ✓	
Distribution(15-#10)									
	1 ✓	10 ✓	15 ✓	15 ✓	36.70 ✓	550.50 ✓	0.62 ✓	339.40 ✓	
RHS									
East to West									
Main Bars (#12@140 c/c)									
	1 ✓	12 ✓	186 ✓	186 ✓	2.40 ✓	447.43 ✓	0.89 ✓	397.23 ✓	
Distribution(15-#10)									
	1 ✓	10 ✓	15 ✓	15 ✓	26.10 ✓	391.50 ✓	0.62 ✓	241.37 ✓	
W0324									
RHS									
West to East									
Main Bars (#12@140 c/c)									
	1 ✓	12 ✓	424 ✓	424 ✓	2.25 ✓	953.04 ✓	0.89 ✓	846.12 ✓	
Distribution(15-#10)									
	1 ✓	10 ✓	15 ✓	15 ✓	59.30 ✓	889.50 ✓	0.62 ✓	548.41 ✓	
W0529									
LHS									
South to North									
Main Bars (#12@140 c/c)									
	1 ✓	12 ✓	283 ✓	283 ✓	2.25 ✓	637.50 ✓	0.89 ✓	565.98 ✓	
Distribution(15-#10)									
	1 ✓	10 ✓	15 ✓	15 ✓	42.50 ✓	637.50 ✓	0.62 ✓	393.04 ✓	

3882.71



Assistant Engineer

Assistant Executive Engineer

Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
RHS								
North to South								
Main Bars (#12@140 c/c)	1	12	237	237	2.25	532.50	0.89	472.76
Distribution(15-#10)	1	10	15	15	35.50	532.50	0.62	328.31
W0318								
LHS								
West to East								
Main Bars (#12@140 c/c)	1	12	475	475	2.25	1068.75	0.89	948.85
Distribution(15-#10)	1	10	15	15	66.50	997.50	0.62	615.00
RHS								
East to West								
South to North								
Main Bars (#12@140 c/c)	1	12	439	439	2.25	988.39	0.89	877.51
Distribution(15-#10)	1	10	15	15	61.50	922.50	0.62	568.76
W0324								
LHS								
West to East								
Main Bars (#12@140 c/c)	1	12	368	368	2.25	827.68	0.89	734.82
Distribution(15-#10)	1	10	15	15	51.50	772.50	0.62	476.28
RHS								
East to West								
Main Bars (#12@140 c/c)	1	12	311	311	2.25	699.11	0.89	620.68
Distribution(15-#10)	1	10	15	15	43.50	652.50	0.62	402.29
W0326								
LHS								
North to South								
Main Bars (#12@140 c/c)	1	12	166	166	2.25	374.46	0.89	332.45
Distribution(15-#10)	1	10	15	15	23.30	349.50	0.62	215.48
RHS								
South to North								
Main Bars (#12@140 c/c)	1	12	121	121	2.25	273.21	0.89	242.56
Distribution(15-#10)	1	10	15	15	17.00	255.00	0.62	157.22

6992.96



Assistant Engineer

Assistant Executive Engineer

Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
		mm			m	m	kg/m	Kg's
W0537								
LHS								
West to East								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	562 ✓	562 ✓	2.25 ✓	1264.82 ✓	0.89 ✓	1122.93 ✓
Distribution(15-#10)	1 ✓	10 ✓	15 ✓	15 ✓	78.70 ✓	1180.50 ✓	0.62 ✓	727.82 ✓
RHS								
East to West								
Road Break								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	607 ✓	607 ✓	2.25 ✓	1366.07 ✓	0.89 ✓	1212.82 ✓
Distribution(15-#10)	1 ✓	10 ✓	15 ✓	15 ✓	85.00 ✓	1275.00 ✓	0.62 ✓	786.09 ✓
W0537 Dead End								
North to South								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	56 ✓	56 ✓	2.25 ✓	125.36 ✓	0.89 ✓	111.29 ✓
Distribution(15-#10)	1 ✓	10 ✓	15 ✓	15 ✓	7.80 ✓	117.00 ✓	0.62 ✓	72.13 ✓
W0529								
LHS								
North to South								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	193 ✓	193 ✓	2.25 ✓	433.93 ✓	0.89 ✓	385.25 ✓
Distribution(15-#10)	1 ✓	10 ✓	15 ✓	15 ✓	27.00 ✓	405.00 ✓	0.62 ✓	249.70 ✓
RHS								
South to North								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	189 ✓	189 ✓	2.25 ✓	425.89 ✓	0.89 ✓	378.11 ✓
Distribution(15-#10)	1 ✓	10 ✓	15 ✓	15 ✓	26.50 ✓	397.50 ✓	0.62 ✓	245.07 ✓
Govt. School Road Dasarahalli								
W0364								
LHS								
East to West								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	923 ✓	923 ✓	2.40 ✓	2214.86 ✓	0.89 ✓	1966.38 ✓
Distribution(15-#10)	1 ✓	10 ✓	15 ✓	15 ✓	129.20 ✓	1938.00 ✓	0.62 ✓	1194.85 ✓

8452.44



Assistant Engineer

Assistant Executive Engineer

Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
		mm			m	m	kg/m	Kg's
Maruthi Layout								
5th Cross Road								
LHS								
North to South								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	382 ✓	382 ✓	2.40 ✓	917.14 ✓	0.89 ✓	814.25 ✓
Distribution(14-#10)	1 ✓	10 ✓	14 ✓	14 ✓	53.50 ✓	749.00 ✓	0.62 ✓	461.79 ✓
RHS								
South to North								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	421 ✓	421 ✓	2.40 ✓	1011.43 ✓	0.89 ✓	897.96 ✓
Distribution(14-#10)	1 ✓	10 ✓	14 ✓	14 ✓	59.00 ✓	826.00 ✓	0.62 ✓	509.26 ✓
W0630								
RHS								
North to South								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	482 ✓	482 ✓	2.40 ✓	1157.14 ✓	0.89 ✓	1027.33 ✓
Distribution(14-#10)	1 ✓	10 ✓	14 ✓	14 ✓	67.50 ✓	945.00 ✓	0.62 ✓	582.63 ✓
LHS								
West to East								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	768 ✓	768 ✓	2.40 ✓	1842.86 ✓	0.89 ✓	1636.11 ✓
Distribution(14-#10)	1 ✓	10 ✓	14 ✓	14 ✓	107.50 ✓	1505.00 ✓	0.62 ✓	927.89 ✓
W1047								
RHS								
North to South								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	500 ✓	500 ✓	2.25 ✓	1125.00 ✓	0.89 ✓	998.79 ✓
Distribution(14-#10)	1 ✓	10 ✓	14 ✓	14 ✓	70.00 ✓	980.00 ✓	0.62 ✓	604.21 ✓
W1055								
RHS								
North to South								
Main Bars (#12@140 c/c)	1 ✓	12 ✓	567 ✓	567 ✓	2.25 ✓	1276.07 ✓	0.89 ✓	1132.91 ✓
Distribution(14-#10)	1 ✓	10 ✓	14 ✓	14 ✓	79.40 ✓	1111.60 ✓	0.62 ✓	685.34 ✓

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[Signature]
Assistant Engineer

[Signature]
Assistant Executive Engineer

Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Maruthi Layout								
2nd Cross Road								
LHS								
Main Bars (#12@140 c/c)	1	12	458	458	2.40	1098.86	0.89	975.58
Distribution(14-#10)	1	10	14	14	64.10	897.40	0.62	553.28
QTY IN KG'S								31142.87
QTY IN TONNE								31.14
For Culvert								
W0364								
12# @140 c/c main bars	1	12	56	56	5.10	284.14	0.89	252.27
10# @160 c/c Distribution bars	1	10	27	27	7.80	210.60	0.62	129.84
W0630								
12# @140 c/c main bars	1	12	34	34	5.10	174.86	0.89	155.24
10# @160 c/c Distribution bars	1	10	27	27	4.80	129.60	0.62	79.90
Cross Road								
12# @140 c/c main bars	1	12	50	50	5.70	285.00	0.89	253.03
10# @160 c/c Distribution bars	1	10	27	27	7.00	189.00	0.62	116.53
W0332								
12# @140 c/c main bars	1	12	52	52	5.70	297.21	0.89	265.87
10# @160 c/c Distribution bars	1	10	27	27	7.30	197.10	0.62	121.52
W0324								
12# @140 c/c main bars	1	12	48	48	5.70	272.79	0.89	242.18
10# @160 c/c Distribution bars	1	10	27	27	6.70	180.90	0.62	111.53
W0324								
12# @140 c/c main bars	1	12	44	44	5.70	252.43	0.89	224.11
10# @160 c/c Distribution bars	1	10	27	27	6.20	167.40	0.62	103.21
W0529								
12# @140 c/c main bars	1	12	50	50	5.70	285.00	0.89	253.03
10# @160 c/c Distribution bars	1	10	27	27	7.00	189.00	0.62	116.53
QTY IN KG'S								2422.78
QTY IN TONNE								2.42
TOTAL QTY IN KG'S								33565.65
TOTAL QTY IN TONNE								33.57



[Handwritten signature]
 Assistant Engineer
 Bangalore Water Supply & Sewerage Board

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 Assistant Executive Engineer
 Bangalore Water Supply & Sewerage Board

BRUHAT BANGALORE MAHANAGARA PALIKE

WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length		B1	B2	Avg B			
					(m)							
Item no.08		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15	Cum	1	15.00	5.50	5.90	5.70	0.38	32.49			
5	30	Cum	1	15.00	5.90	5.90	5.90	0.38	33.63			
10	45	Cum	1	15.00	5.90	5.80	5.85	0.38	33.35			
15	60	Cum	1	15.00	5.80	5.80	5.80	0.38	33.06			
20	75	Cum	1	15.00	5.80	6.10	5.95	0.38	33.92			
25	84	Cum	1	9.00	6.10	6.30	6.20	0.38	21.20			
		W0324										
		South to North										
0	15	Cum	1	15.00	5.80	5.70	5.75	0.38	32.78			
5	17.2	Cum	1	2.20	5.70	5.75	5.73	0.38	4.79			
		W0324										
		East to West										
0	15	Cum	1	15.00	6.30	5.90	6.10	0.38	34.77			
5	30	Cum	1	15.00	5.90	5.90	5.90	0.38	33.63			
10	45	Cum	1	15.00	5.90	6.10	6.00	0.38	34.20			
15	49.3	Cum	1	4.30	6.10	6.10	6.10	0.38	9.97			
23	50.8	Cum	0	0.00	0.00	0.00	0.00	0.38	0.00			
28	56.6	Cum	1	5.80	6.00	6.10	6.05	0.38	13.33			
36	70	Cum	1	13.40	6.10	6.20	6.15	0.38	31.32			
40	85	Cum	1	15.00	6.20	6.85	6.53	0.38	37.19			
45	92.8	Cum	1	7.80	6.85	6.85	6.85	0.38	20.30			
52.8	105	Cum	1	12.20	5.20	5.60	5.40	0.38	25.03			
65	115.4	Cum	1	10.40	5.60	5.40	5.50	0.38	21.74			
		W0529										
		South to North										
0	15	Cum	1	15.00	6.25	6.20	6.23	0.38	35.48			
5	30	Cum	1	15.00	6.20	6.20	6.20	0.38	35.34			
10	37.5	Cum	1	7.50	6.20	6.20	6.20	0.38	17.67			
15	45	Cum	1	7.50	5.70	5.70	5.70	0.38	16.25			
25	60	Cum	1	15.00	6.00	6.00	6.00	0.38	34.20			
30	75	Cum	1	15.00	6.00	5.80	5.90	0.38	33.63			
35	80	Cum	1	5.00	5.80	5.80	5.80	0.38	11.02			
		Cross Road										
		West to East										
0	15	Cum	1	15.00	5.10	4.80	4.95	0.38	28.22			
15	30	Cum	1	15.00	4.80	4.30	4.55	0.38	25.94			

124.43



Contactor

PMC

Assistant Engineer

Assistant executive Engineer,

PRE MEASUREMENT SHEET

First and Final

Chainage From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
						B1	B2	Avg B			
		Road Strengthening for UGD Cut Portion									
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
		W0324									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
		W0324									
		East to West									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	
49.3	50.8	Culvert	Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	
50.8	56.6		Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	
56.6	70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	
70	85		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
85	92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	
92.8	105		Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	
105	115.4		Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	
		W0529									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5	45		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	80		Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	
		W0332									
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	33.5		Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	

99.38



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Change From To		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
						B1	B2	Avg B			
		Cross Road West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
		Road Strengthening for Kaveri Water line Cut Portion Maruthi Layout W0326/W0537 From West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
		W0324 South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
		W0324 East to West									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	
49.3	50.8	Culvert	Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	
50.8	56.6		Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	
56.6	70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	
70	85		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
85	92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	
92.8	105		Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	
105	115.4		Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	
		W0529 South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5	45		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	80		Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	
		W0318 West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	
		W0332 West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	

106.04



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Change From To	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
				(m)	B1	B2	Avg B	(m)		
30 33.5		Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	
	Cross Road West to East									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
	For CC Road Maruthi Layout W1047 (From North to South)									
0 10		Cum	1	10.00	2.10	2.25	2.18	0.45	9.79	
10 15		Cum	1	5.00	2.80	2.50	2.65	0.45	5.96	
15 30		Cum	1	15.00	2.50	2.35	2.43	0.45	16.37	
30 36.6		Cum	1	6.60	2.35	2.10	2.23	0.45	6.61	
36.6 45		Cum	1	8.40	2.80	3.25	3.03	0.45	11.43	
45 60		Cum	1	15.00	3.25	3.35	3.30	0.45	22.28	
60 66.5		Cum	1	6.50	3.35	3.35	3.35	0.45	9.80	
	W0630 (From West to East)									
0 15		Cum	1	15.00	4.70	4.30	4.50	0.45	30.38	
15 30		Cum	1	15.00	4.30	4.00	4.15	0.45	28.01	
30 45		Cum	1	15.00	4.00	3.40	3.70	0.45	24.98	
45 60		Cum	1	15.00	3.40	3.25	3.33	0.45	22.44	
60 75		Cum	1	15.00	3.25	3.20	3.23	0.45	21.77	
75 76.9		Cum	1	1.90	3.20	3.10	3.15	0.45	2.69	
76.9 90		Cum	1	13.10	4.50	4.30	4.40	0.45	25.94	
90 105		Cum	1	15.00	4.30	4.35	4.33	0.45	29.19	
105 114.1		Cum	1	9.10	4.35	4.65	4.50	0.45	18.43	
	W1049 (From North to South)									
0 15		Cum	1	15.00	3.80	3.80	3.80	0.45	25.65	
15 30		Cum	1	15.00	3.80	4.00	3.90	0.45	26.33	
30 45		Cum	1	15.00	4.00	4.00	4.00	0.45	27.00	
45 60		Cum	1	15.00	4.00	4.10	4.05	0.45	27.34	
60 64.8		Cum	1	4.80	4.10	3.80	3.95	0.45	8.53	
64.8 67.5		Cum	1	2.70	3.80	4.40	4.10	0.45	4.98	
	W1035 (From West to East)									
0 7.6		Cum	1	7.60	3.20	3.00	3.10	0.45	10.60	
7.6 14		Cum	1	6.40	3.70	3.00	3.35	0.45	9.65	
14 22.9		Cum	1	8.90	3.80	3.50	3.65	0.45	14.62	
22.9 29.5		Cum	1	6.60	5.00	4.70	4.85	0.45	14.40	
29.5 40		Cum	1	10.50	4.40	2.80	3.60	0.45	17.01	
40 53.4		Cum	1	13.40	2.80	3.00	2.90	0.45	17.49	
	W1035 (From West to East)									
0 15		Cum	1	15.00	2.60	2.60	2.60	0.45	17.55	
15 23.4		Cum	1	8.40	2.60	2.60	2.60	0.45	9.83	
	W0529 (From North to South)									
0 5.2		Cum	1	5.20	5.80	5.80	5.80	0.45	13.57	

539.08



Contractor

22/03/2022
 Assistant Executive Engineer
 Bangalore
 24

PRE MEASUREMENT SHEET

First and Final

Chainage From To	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
				(m)	B1	B2	Avg B	(m)		
5.2	15	Cum	1	9.80	3.90	3.90	3.90	0.45	17.20	
15	26.3	Cum	1	11.30	3.90	3.90	3.90	0.45	19.83	
	W0348									
	From West to East									
0	15	Cum	1	15.00	5.20	4.70	4.95	0.45	33.41	
15	30	Cum	1	15.00	4.70	4.70	4.70	0.45	31.73	
30	45	Cum	1	15.00	4.70	4.80	4.75	0.45	32.06	
45	60	Cum	1	15.00	4.80	4.70	4.75	0.45	32.06	
60	75	Cum	1	15.00	4.70	3.90	4.30	0.45	29.03	
	W0609									
	From South to North									
0	15	Cum	1	15.00	4.70	4.50	4.60	0.45	31.05	
15	30	Cum	1	15.00	3.90	4.10	4.00	0.45	27.00	
30	37.2	Cum	1	7.20	4.10	4.00	4.05	0.45	13.12	
	Chember									
		Cum	-15	0.44				0.38	-2.52	263.43
				Area of circle = $(3.14 \times 0.75^2) / 4 = 0.44$						
									Total Executed Quantity	1732.94
									Qty Carried to Summary	1732.94



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
From	To					B1	B2	Avg B			
Item no.09		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0318									
		West to East									
0	15	Sqm	1	15.00	7.00	6.70	6.85			102.75	
5	30	Sqm	1	15.00	6.70	6.80	6.75			101.25	
10	45	Sqm	1	15.00	6.80	6.50	6.65			99.75	
15	60	Sqm	1	15.00	6.50	6.00	6.25			93.75	
20	64.2	Sqm	1	4.20	6.00	6.70	6.35			26.67	
		W0332									
		West to East									
0	15	Sqm	1	15.00	5.50	5.50	5.50			82.50	
5	30	Sqm	1	15.00	5.50	5.50	5.50			82.50	
10	33.5	Sqm	1	3.50	2.20	2.20	2.20			7.70	
		Chember									
		Cum	-1	0.44						-0.44	
					Area of circle=(3.14X0.75 ²)/4=0.44						
Total Executed Quantity										596.43	
Qty Carried to Summary										596.43	

Contactor



PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Item no.10		Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15	Sqm	1	15.00	5.50	5.90	5.70			85.50	
15	30	Sqm	1	15.00	5.90	5.90	5.90			88.50	
30	45	Sqm	1	15.00	5.90	5.80	5.85			87.75	
45	60	Sqm	1	15.00	5.80	5.80	5.80			87.00	
60	75	Sqm	1	15.00	5.80	6.10	5.95			89.25	
75	84	Sqm	1	9.00	6.10	6.30	6.20			55.80	
		W0324									
		South to North									
0	15	Sqm	1	15.00	5.80	5.70	5.75			86.25	
15	17.2	Sqm	1	2.20	5.70	5.75	5.73			12.60	
		W0324									
		East to West									
0	15	Sqm	1	15.00	6.30	5.90	6.10			91.50	
15	30	Sqm	1	15.00	5.90	5.90	5.90			88.50	
30	45	Sqm	1	15.00	5.90	6.10	6.00			90.00	
45	49.3	Sqm	1	4.30	6.10	6.10	6.10			26.23	
49.3	50.8	Culvert									
50.8	56.6	Sqm	1	5.80	6.00	6.10	6.05			35.09	
56.6	70	Sqm	1	13.40	6.10	6.20	6.15			82.41	
70	85	Sqm	1	15.00	6.20	6.85	6.53			97.88	
85	92.8	Sqm	1	7.80	6.85	6.85	6.85			53.43	
92.8	105	Sqm	1	12.20	5.20	5.60	5.40			65.88	
105	115.4	Sqm	1	10.40	5.60	5.40	5.50			57.20	
		W0529									
		South to North									
0	15	Sqm	1	15.00	6.25	6.20	6.23			93.38	
15	30	Sqm	1	15.00	6.20	6.20	6.20			93.00	
30	37.5	Sqm	1	7.50	6.20	6.20	6.20			46.50	
37.5	45	Sqm	1	7.50	5.70	5.70	5.70			42.75	
45	60	Sqm	1	15.00	6.00	6.00	6.00			90.00	
60	75	Sqm	1	15.00	6.00	5.80	5.90			88.50	
75	80	Sqm	1	5.00	5.80	5.80	5.80			29.00	
		W0318									
		West to East									
0	15	Sqm	1	15.00	7.00	6.70	6.85			102.75	
15	30	Sqm	1	15.00	6.70	6.80	6.75			101.25	
30	45	Sqm	1	15.00	6.80	6.50	6.65			99.75	
45	60	Sqm	1	15.00	6.50	6.00	6.25			93.75	
60	64.2	Sqm	1	4.20	6.00	6.70	6.35			26.67	



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

2188.06

PRE MEASUREMENT SHEET

Change		Description of Item	Unit	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To			No	Length (m)	B1	B2	Avg B			
W0332											
West to East											
0	15	Sqm	1	15.00	5.50	5.50	5.50		82.50		
15	30	Sqm	1	15.00	5.50	5.50	5.50		82.50		
30	33.5	Sqm	1	3.50	2.20	2.20	2.20		7.70		
Cross Road											
West to East											
0	15	Sqm	1	15.00	5.10	4.80	4.95		74.25		
15	30	Sqm	1	15.00	4.80	4.30	4.55		68.25		
For CC Road											
Maruthi Layout											
W1047											
(From North to South)											
0	10	Sqm	1	10.00	2.10	2.25	2.18		21.75		
10	15	Sqm	1	5.00	2.80	2.50	2.65		13.25		
15	30	Sqm	1	15.00	2.50	2.35	2.43		36.38		
30	36.6	Sqm	1	6.60	2.35	2.10	2.23		14.69		
36.6	45	Sqm	1	8.40	2.80	3.25	3.03		25.41		
45	60	Sqm	1	15.00	3.25	3.35	3.30		49.50		
60	66.5	Sqm	1	6.50	3.35	3.35	3.35		21.78		
W0630											
(From West to East)											
0	15	Sqm	1	15.00	4.70	4.30	4.50		67.50		
15	30	Sqm	1	15.00	4.30	4.00	4.15		62.25		
30	45	Sqm	1	15.00	4.00	3.40	3.70		55.50		
45	60	Sqm	1	15.00	3.40	3.25	3.33		49.88		
60	75	Sqm	1	15.00	3.25	3.20	3.23		48.38		
75	76.9	Sqm	1	1.90	3.20	3.10	3.15		5.99		
76.9	90	Sqm	1	13.10	4.50	4.30	4.40		57.64		
90	105	Sqm	1	15.00	4.30	4.35	4.33		64.88		
105	114.1	Sqm	1	9.10	4.35	4.65	4.50		40.95		
W1049											
(From North to South)											
0	15	Sqm	1	15.00	3.80	3.80	3.80		57.00		
15	30	Sqm	1	15.00	3.80	4.00	3.90		58.50		
30	45	Sqm	1	15.00	4.00	4.00	4.00		60.00		
45	60	Sqm	1	15.00	4.00	4.10	4.05		60.75		
60	64.8	Sqm	1	4.80	4.10	3.80	3.95		18.96		
64.8	67.5	Sqm	1	2.70	3.80	4.40	4.10		11.07		
W1035											
(From West to East)											
0	7.6	Sqm	1	7.60	3.20	3.00	3.10		23.56		
7.6	14	Sqm	1	6.40	3.70	3.00	3.35		21.44		
14	22.9	Sqm	1	8.90	3.80	3.50	3.65		32.49		
22.9	29.5	Sqm	1	6.60	5.00	4.70	4.85		32.01		
29.5	40	Sqm	1	10.50	4.40	2.80	3.60		37.80		
40	53.4	Sqm	1	13.40	2.80	3.00	2.90		38.86		
W1038											
(From West to East)											
0	15	Sqm	1	15.00	2.60	2.60	2.60		39.00		
15	23.4	Sqm	1	8.40	2.60	2.60	2.60		21.84		



Contractor

Assistant Engineer

25.3.2022
25.3.2022
25.3.2022

PRE MEASUREMENT SHEET

Change		First and Final									
From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
						B1	B2	Avg B			
W0529											
(From North to South)											
0	5.2		Sqm	1	5.20	5.80	5.80	5.80		30.16	
5.2	15		Sqm	1	9.80	3.90	3.90	3.90		38.22	
15	26.3		Sqm	1	11.30	3.90	3.90	3.90		44.07	
W0348											
From West to East											
0	15		Sqm	1	15.00	5.20	4.70	4.95		74.25	
15	30		Sqm	1	15.00	4.70	4.70	4.70		70.50	
30	45		Sqm	1	15.00	4.70	4.80	4.75		71.25	
45	60		Sqm	1	15.00	4.80	4.70	4.75		71.25	
60	75		Sqm	1	15.00	4.70	3.90	4.30		64.50	
W0609											
From South to North											
0	15		Sqm	1	15.00	4.70	4.50	4.60		69.00	
15	30		Sqm	1	15.00	3.90	4.10	4.00		60.00	
30	37.2		Sqm	1	7.20	4.10	4.00	4.05		29.16	
Chamber											
			Sqm	-17	0.44					-7.51	614.85
Area of circle=(3.14X0.75 ²)/4=0.44											
Total Executed Quantity										4267.08	
Qty Carried to Summary										4267.08	

Signature: *[Signature]*
 CIVIL PRO
 Sig.
 Date
 BANGALORE
 PMC

Signature: *[Signature]*
 25/03/2022
 Assistant Engineer

Signature: *[Signature]*
 25/3/22
 Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Item no.11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work										
	Measurements taken on										
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15	Cum	1	15.00	5.50	5.90	5.70	0.15	12.83		
15	30	Cum	1	15.00	5.90	5.90	5.90	0.15	13.28		
30	45	Cum	1	15.00	5.90	5.80	5.85	0.15	13.16		
45	60	Cum	1	15.00	5.80	5.80	5.80	0.15	13.05		
60	75	Cum	1	15.00	5.80	6.10	5.95	0.15	13.39		
75	84	Cum	1	9.00	6.10	6.30	6.20	0.15	8.37		
		W0324									
		South to North									
0	15	Cum	1	15.00	5.80	5.70	5.75	0.15	12.94		
15	17.2	Cum	1	2.20	5.70	5.75	5.73	0.15	1.89		
		W0324									
		East to West									
0	15	Cum	1	15.00	6.30	5.90	6.10	0.15	13.73		
15	30	Cum	1	15.00	5.90	5.90	5.90	0.15	13.28		
30	45	Cum	1	15.00	5.90	6.10	6.00	0.15	13.50		
45	49.3	Cum	1	4.30	6.10	6.10	6.10	0.15	3.93		
49.3	50.8	Culvert	0	0.00	0.00	0.00	0.00	0.15	0.00		
50.8	56.6	Cum	1	5.80	6.00	6.10	6.05	0.15	5.26		
56.6	70	Cum	1	13.40	6.10	6.20	6.15	0.15	12.36		
70	85	Cum	1	15.00	6.20	6.85	6.53	0.15	14.68		
85	92.8	Cum	1	7.80	6.85	6.85	6.85	0.15	8.01		
92.8	105	Cum	1	12.20	5.20	5.60	5.40	0.15	9.88		
105	115.4	Cum	1	10.40	5.60	5.40	5.50	0.15	8.58		
		W0529									
		South to North									
0	15	Cum	1	15.00	6.25	6.20	6.23	0.15	14.01		
15	30	Cum	1	15.00	6.20	6.20	6.20	0.15	13.95		
30	37.5	Cum	1	7.50	6.20	6.20	6.20	0.15	6.98		
37.5	45	Cum	1	7.50	5.70	5.70	5.70	0.15	6.41		
45	60	Cum	1	15.00	6.00	6.00	6.00	0.15	13.50		
60	75	Cum	1	15.00	6.00	5.80	5.90	0.15	13.28		
75	80	Cum	1	5.00	5.80	5.80	5.80	0.15	4.35		
		Cross Road									
		West to East									
0	15	Cum	1	15.00	5.10	4.80	4.95	0.15	11.14		
15	30	Cum	1	15.00	4.80	4.30	4.55	0.15	10.24		



Contractor

PMC

Assistant Engineer

285.96

Assistant Executive Engineer
28/11/2017
285.96

PRE MEASUREMENT SHEET

Challage		First and Final									
From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
		For CC Road				B1	B2	Avg B			
		Maruthi Layout									
		W1047									
		(From North to South)									
0	10		Cum	1	10.00	2.10	2.25	2.18	0.15	3.26	
10	15		Cum	1	5.00	2.80	2.50	2.65	0.15	1.99	
15	30		Cum	1	15.00	2.50	2.35	2.43	0.15	5.46	
30	36.6		Cum	1	6.60	2.35	2.10	2.23	0.15	2.20	
36.6	45		Cum	1	8.40	2.80	3.25	3.03	0.15	3.81	
45	60		Cum	1	15.00	3.25	3.35	3.30	0.15	7.43	
60	66.5		Cum	1	6.50	3.35	3.35	3.35	0.15	3.27	
		W0630									
		(From West to East)									
0	15		Cum	1	15.00	4.70	4.30	4.50	0.15	10.13	
15	30		Cum	1	15.00	4.30	4.00	4.15	0.15	9.34	
30	45		Cum	1	15.00	4.00	3.40	3.70	0.15	8.33	
45	60		Cum	1	15.00	3.40	3.25	3.33	0.15	7.48	
60	75		Cum	1	15.00	3.25	3.20	3.23	0.15	7.26	
75	76.9		Cum	1	1.90	3.20	3.10	3.15	0.15	0.90	
76.9	90		Cum	1	13.10	4.50	4.30	4.40	0.15	8.65	
90	105		Cum	1	15.00	4.30	4.35	4.33	0.15	9.73	
105	114.1		Cum	1	9.10	4.35	4.65	4.50	0.15	6.14	
		W1049									
		(From North to South)									
0	15		Cum	1	15.00	3.80	3.80	3.80	0.15	8.55	
15	30		Cum	1	15.00	3.80	4.00	3.90	0.15	8.78	
30	45		Cum	1	15.00	4.00	4.00	4.00	0.15	9.00	
45	60		Cum	1	15.00	4.00	4.10	4.05	0.15	9.11	
60	64.8		Cum	1	4.80	4.10	3.80	3.95	0.15	2.84	
64.8	67.5		Cum	1	2.70	3.80	4.40	4.10	0.15	1.66	
		W1035									
		(From West to East)									
0	7.6		Cum	1	7.60	3.20	3.00	3.10	0.15	3.53	
7.6	14		Cum	1	6.40	3.70	3.00	3.35	0.15	3.22	
14	22.9		Cum	1	8.90	3.80	3.50	3.65	0.15	4.87	
22.9	29.5		Cum	1	6.60	5.00	4.70	4.85	0.15	4.80	
29.5	40		Cum	1	10.50	4.40	2.80	3.60	0.15	5.67	
40	53.4		Cum	1	13.40	2.80	3.00	2.90	0.15	5.83	
		W1035									
		(From West to East)									
0	15		Cum	1	15.00	2.60	2.60	2.60	0.15	5.85	
15	23.4		Cum	1	8.40	2.60	2.60	2.60	0.15	3.28	
		W0529									
		(From North to South)									
0	5.2		Cum	1	5.20	5.80	5.80	5.80	0.15	4.52	
5.2	15		Cum	1	9.80	3.90	3.90	3.90	0.15	5.73	
15	26.3		Cum	1	11.30	3.90	3.90	3.90	0.15	6.61	
		W0348									
		From West to East									
0	15		Cum	1	15.00	5.20	4.70	4.95	0.15	11.14	
15	30		Cum	1	15.00	4.70	4.70	4.70	0.15	10.58	



Contractor

Assistant Engineer

Assistant Executive Engineer

240.93

25/12/2022

25/12/2022

First and Final



Contactor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B	(m)			
Item no.12		Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15		Cum	1	15.00	5.50	5.90	5.70	0.23	19.67		
15	30		Cum	1	15.00	5.90	5.90	5.90	0.23	20.36		
30	45		Cum	1	15.00	5.90	5.80	5.85	0.23	20.18		
45	60		Cum	1	15.00	5.80	5.80	5.80	0.23	20.01		
60	75		Cum	1	15.00	5.80	6.10	5.95	0.23	20.53		
75	84		Cum	1	9.00	6.10	6.30	6.20	0.23	12.83		
		W0324										
		South to North										
0	15		Cum	1	15.00	5.80	5.70	5.75	0.23	19.84		
15	17.2		Cum	1	2.20	5.70	5.75	5.73	0.23	2.90		
		W0324										
		East to West										
0	15		Cum	1	15.00	6.30	5.90	6.10	0.23	21.05		
15	30		Cum	1	15.00	5.90	5.90	5.90	0.23	20.36		
30	45		Cum	1	15.00	5.90	6.10	6.00	0.23	20.70		
45	49.3		Cum	1	4.30	6.10	6.10	6.10	0.23	6.03		
49.3	50.8	Culvert	Cum	0	0.00	0.00	0.00	0.00	0.23	0.00		
50.8	56.6		Cum	1	5.80	6.00	6.10	6.05	0.23	8.07		
56.6	70		Cum	1	13.40	6.10	6.20	6.15	0.23	18.95		
70	85		Cum	1	15.00	6.20	6.85	6.53	0.23	22.51		
85	92.8		Cum	1	7.80	6.85	6.85	6.85	0.23	12.29		
92.8	105		Cum	1	12.20	5.20	5.60	5.40	0.23	15.15		
105	115.4		Cum	1	10.40	5.60	5.40	5.50	0.23	13.16		
		W0529										
		South to North										
0	15		Cum	1	15.00	6.25	6.20	6.23	0.23	21.48		
15	30		Cum	1	15.00	6.20	6.20	6.20	0.23	21.39		
30	37.5		Cum	1	7.50	6.20	6.20	6.20	0.23	10.70		
37.5	45		Cum	1	7.50	5.70	5.70	5.70	0.23	9.83		
45	60		Cum	1	15.00	6.00	6.00	6.00	0.23	20.70		
60	75		Cum	1	15.00	6.00	5.80	5.90	0.23	20.36		
75	80		Cum	1	5.00	5.80	5.80	5.80	0.23	6.67		
		W0318										
		West to East										
0	15		Cum	1	15.00	7.00	6.70	6.85	0.23	23.63		
15	30		Cum	1	15.00	6.70	6.80	6.75	0.23	23.29		
30	45		Cum	1	15.00	6.80	6.50	6.65	0.23	22.94		
45	60		Cum	1	15.00	6.50	6.00	6.25	0.23	21.56		



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final				Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B			
60	64.2		Cum	1	4.20	6.00	6.70	6.35	0.23	6.13	
		W0332									
		West to East									
0	15		Cum	1	15.00	5.50	5.50	5.50	0.23	18.98	
15	30		Cum	1	15.00	5.50	5.50	5.50	0.23	18.98	
30	33.5		Cum	1	3.50	2.20	2.20	2.20	0.23	1.77	
		Cross Road									
		West to East									
0	15		Cum	1	15.00	5.10	4.80	4.95	0.23	17.08	
15	30		Cum	1	15.00	4.80	4.30	4.55	0.23	15.70	
		Road Strengthening for UGD Cut Portion									
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
		W0324									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
		W0324									
		East to West									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	
49.3	50.8	Culvert	Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	
50.8	56.6		Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	
56.6	70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	
70	85		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
85	92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	
92.8	105		Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	
105	115.4		Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	
		W0529									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5	45		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	80		Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	
		W0318									
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	



Contractor

Assistant Engineer

Assistant Engineer

157.09

PRE MEASUREMENT SHEET

First and Final

Description of Item		Unit	No	Length (m)	B1	B2	Avg B	Depth (m)	Quantity	Remark
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60	Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	
W0332										
West to East										
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	37.5	Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	
Cross Road										
West to East										
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
Road Strengthening for Kaveri										
Water line Cut Portion										
Maruthi Layout										
W0326/W0537										
From West to East										
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	84	Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
W0324										
South to North										
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	17.2	Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
W0324										
East to West										
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	49.3	Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	
49.3	50.8	Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	
50.8	56.6	Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	
56.6	70	Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	
70	85	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
85	92.8	Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	
92.8	105	Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	
105	115.4	Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	
W0529										
South to North										
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	37.5	Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5	45	Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
45	60	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	80	Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	

103.17



Contactor

Assistant Engineer

22/4/22

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chamge		Description of Item	Unit	No	First and Final			Breadth	Depth	Quantity	Remark
From	To				Length						
					(m)	B1	B2	Avg B	(m)		
W0318											
West to East											
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	
W0332											
West to East											
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	33.5		Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	
Cross Road											
West to East											
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
Chamber											
			Cum	-10	0.44				0.23	-1.02	31.29
Area of circle = $(3.14 \times 0.75^2) / 4 = 0.44$											
Total Executed Quantity										788.67	
Qty Carried to Summary										788.67	



Contractor

Assistant Engineer

Assistant Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length		B1	B2	Avg B	(m)		
Item no.13		Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar of compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15	Sqm	1	15.00	5.50	5.90	5.70				85.50	
15	30	Sqm	1	15.00	5.90	5.90	5.90				88.50	
30	45	Sqm	1	15.00	5.90	5.80	5.85				87.75	
45	60	Sqm	1	15.00	5.80	5.80	5.80				87.00	
60	75	Sqm	1	15.00	5.80	6.10	5.95				89.25	
75	84	Sqm	1	9.00	6.10	6.30	6.20				55.80	
		W0324										
		South to North										
0	15	Sqm	1	15.00	5.80	5.70	5.75				86.25	
15	17.2	Sqm	1	2.20	5.70	5.75	5.73				12.60	
		W0324										
		East to West										
0	15	Sqm	1	15.00	6.30	5.90	6.10				91.50	
15	30	Sqm	1	15.00	5.90	5.90	5.90				88.50	
30	45	Sqm	1	15.00	5.90	6.10	6.00				90.00	
45	49.3	Sqm	1	4.30	6.10	6.10	6.10				26.23	
49.3	50.8	Culvert	0	0.00	0.00	0.00	0.00				0.00	
50.8	56.6	Sqm	1	5.80	6.00	6.10	6.05				35.09	
56.6	70	Sqm	1	13.40	6.10	6.20	6.15				82.41	
70	85	Sqm	1	15.00	6.20	6.85	6.53				97.88	
85	92.8	Sqm	1	7.80	6.85	6.85	6.85				53.43	
92.8	105	Sqm	1	12.20	5.20	5.60	5.40				65.88	
105	115.4	Sqm	1	10.40	5.60	5.40	5.50				57.20	
		W0529										
		South to North										
0	15	Sqm	1	15.00	6.25	6.20	6.23				93.38	
15	30	Sqm	1	15.00	6.20	6.20	6.20				93.00	
30	37.5	Sqm	1	7.50	6.20	6.20	6.20				46.50	
37.5	45	Sqm	1	7.50	5.70	5.70	5.70				42.75	
45	60	Sqm	1	15.00	6.00	6.00	6.00				90.00	
60	75	Sqm	1	15.00	6.00	5.80	5.90				88.50	
75	80	Sqm	1	5.00	5.80	5.80	5.80				29.00	
		W0318										
		West to East										
0	15	Sqm	1	15.00	7.00	6.70	6.85				102.75	
15	30	Sqm	1	15.00	6.70	6.80	6.75				101.25	
30	45	Sqm	1	15.00	6.80	6.50	6.65				99.75	
45	60	Sqm	1	15.00	6.50	6.00	6.25				93.75	
60	64.2	Sqm	1	4.20	6.00	6.70	6.35				26.67	



Contactor

P.M.C.

25/4/2022
Assistant Engineer

25/4/2022
Assistant Executive Engineer

2183.06

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final			Depth (m)	Quantity	Remark
From	To				Length (m)	Breadth				
					B1	B2	Avg B			
W0332										
West to East										
0	15		Sqm	1	15.00	5.50	5.50	5.50	82.50	
15	30		Sqm	1	15.00	5.50	5.50	5.50	82.50	
30	33.5		Sqm	1	3.50	2.20	2.20	2.20	7.70	
Cross Road										
West to East										
0	15		Sqm	1	15.00	5.10	4.80	4.95	74.25	
15	30		Sqm	1	15.00	4.80	4.30	4.55	68.25	310.78
Chamber										
			Sqm	-10	0.44				-4.42	
Area of circle=(3.14X0.75 ²)/4=0.44										
Total Executed Quantity									2498.84	
Qty Carried to Summary									2498.84	



25/4/2022
Assistant Engineer

Assistant Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
 Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Item no.14		Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0324									
		South to North									
0	15		Sqm	1	15.00	5.80	5.70	5.75		86.25	
15	17.2		Sqm	1	2.20	5.70	5.75	5.73		12.60	
		W0324									
		East to West									
0	15		Sqm	1	15.00	6.30	5.90	6.10		91.50	
15	30		Sqm	1	15.00	5.90	5.90	5.90		88.50	
30	45		Sqm	1	15.00	5.90	6.10	6.00		90.00	
45	49.3		Sqm	1	4.30	6.10	6.10	6.10		26.23	
49.3	50.8	Culvert									
50.8	56.6		Sqm	1	5.80	6.00	6.10	6.05		35.09	
56.6	70		Sqm	1	13.40	6.10	6.20	6.15		82.41	
70	85		Sqm	1	15.00	6.20	6.85	6.53		97.88	
85	92.8		Sqm	1	7.80	6.85	6.85	6.85		53.43	
92.8	105		Sqm	1	12.20	5.20	5.60	5.40		65.88	
105	115.4		Sqm	1	10.40	5.60	5.40	5.50		57.20	
		Chember									
			Sqm	-3	0.44					-1.32	
					Area of circle=(3.14X0.75 ²)/4=0.44						
Total Executed Quantity										785.64	
Qty Carried to Summary										785.64	



Contractor

Assistant Engineer

Assistant Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final	Breadth			Depth	Quantity	Remark
From	To				Length	B1	B2	Avg B	(m)		
Item no.15		Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0324									
		South to North									
0	15		Cum	1	15.00	5.80	5.70	5.75	0.05	4.31	
15	17.2		Cum	1	2.20	5.70	5.75	5.73	0.05	0.63	
		W0324									
		East to West									
0	15		Cum	1	15.00	6.30	5.90	6.10	0.05	4.58	
15	30		Cum	1	15.00	5.90	5.90	5.90	0.05	4.43	
30	45		Cum	1	15.00	5.90	6.10	6.00	0.05	4.50	
45	49.3		Cum	1	4.30	6.10	6.10	6.10	0.05	1.31	
49.3	50.8	Culvert	Cum	0	0.00	0.00	0.00	0.00	0.05	0.00	
50.8	56.6		Cum	1	5.80	6.00	6.10	6.05	0.05	1.75	
56.6	70		Cum	1	13.40	6.10	6.20	6.15	0.05	4.12	
70	85		Cum	1	15.00	6.20	6.85	6.53	0.05	4.89	
85	92.8		Cum	1	7.80	6.85	6.85	6.85	0.05	2.67	
92.8	105		Cum	1	12.20	5.20	5.60	5.40	0.05	3.29	
105	115.4		Cum	1	10.40	5.60	5.40	5.50	0.05	2.86	
		Chember									
			Cum	-3	0.44				0.05	-0.07	
					Area of circle=(3.14X0.75²)/4=0.44						
Total Executed Quantity										39.28	
Qty Carried to Summary										39.28	



Contactor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B	(m)			
Item no.16		Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0324										
		South to North										
0	15		Sqm	1	15.00	5.80	5.70	5.75			86.25	
15	17.2		Sqm	1	2.20	5.70	5.75	5.73			12.60	
		W0324										
		East to West										
0	15		Sqm	1	15.00	6.30	5.90	6.10			91.50	
15	30		Sqm	1	15.00	5.90	5.90	5.90			88.50	
30	45		Sqm	1	15.00	5.90	6.10	6.00			90.00	
45	49.3		Sqm	1	4.30	6.10	6.10	6.10			26.23	
49.3	50.8	Culvert										
50.8	56.6		Sqm	1	5.80	6.00	6.10	6.05			35.09	
56.6	70		Sqm	1	13.40	6.10	6.20	6.15			82.41	
70	85		Sqm	1	15.00	6.20	6.85	6.53			97.88	
85	92.8		Sqm	1	7.80	6.85	6.85	6.85			53.43	
92.8	105		Sqm	1	12.20	5.20	5.60	5.40			65.88	
105	115.4		Sqm	1	10.40	5.60	5.40	5.50			57.20	
		Chember										
			Sqm	-3	0.44						-1.32	
					Area of circle=(3.14X0.75 ²)/4=0.44							
Total Executed Quantity											785.64	
Qty Carried to Summary											785.64	

Contractor



Assistant Engineer

Assistant Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)		B1	B2	Avg B			
Item no.17		Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15		Sqm	1	15.00	5.50	5.90	5.70			85.50	
15	30		Sqm	1	15.00	5.90	5.90	5.90			88.50	
30	45		Sqm	1	15.00	5.90	5.80	5.85			87.75	
45	60		Sqm	1	15.00	5.80	5.80	5.80			87.00	
60	75		Sqm	1	15.00	5.80	6.10	5.95			89.25	
75	84		Sqm	1	9.00	6.10	6.30	6.20			55.80	
		W0324										
		South to North										
0	15		Sqm	1	15.00	5.80	5.70	5.75			86.25	
15	17.2		Sqm	1	2.20	5.70	5.75	5.73			12.60	
		W0324										
		East to West										
0	15		Sqm	1	15.00	6.30	5.90	6.10			91.50	
15	30		Sqm	1	15.00	5.90	5.90	5.90			88.50	
30	45		Sqm	1	15.00	5.90	6.10	6.00			90.00	
45	49.3		Sqm	1	4.30	6.10	6.10	6.10			26.23	
49.3	50.8	Culvert	Sqm	0	0.00	0.00	0.00	0.00			0.00	
50.8	56.6		Sqm	1	5.80	6.00	6.10	6.05			35.09	
56.6	70		Sqm	1	13.40	6.10	6.20	6.15			82.41	
70	85		Sqm	1	15.00	6.20	6.85	6.53			97.88	
85	92.8		Sqm	1	7.80	6.85	6.85	6.85			53.43	
92.8	105		Sqm	1	12.20	5.20	5.60	5.40			65.88	
105	115.4		Sqm	1	10.40	5.60	5.40	5.50			57.20	
		W0529										
		South to North										
0	15		Sqm	1	15.00	6.25	6.20	6.25			93.38	
15	30		Sqm	1	15.00	6.20	6.20	6.20			93.00	
30	37.5		Sqm	1	7.50	6.20	6.20	6.20			46.50	
37.5	45		Sqm	1	7.50	5.70	5.70	5.70			42.75	
45	60		Sqm	1	15.00	6.00	6.00	6.00			90.00	
60	75		Sqm	1	15.00	6.00	5.80	5.90			88.50	
75	80		Sqm	1	5.00	5.80	5.80	5.80			29.00	
		W0318										
		West to East										
0	15		Sqm	1	15.00	7.00	6.70	6.85			102.75	
15	30		Sqm	1	15.00	6.70	6.80	6.75			101.25	
30	45		Sqm	1	15.00	6.80	6.50	6.65			99.75	
45	60		Sqm	1	15.00	6.50	6.00	6.25			93.75	
60	64.2		Sqm	1	4.20	6.00	6.70	6.35			26.67	



Contractor

25
22/11/22
22/11/22

2188.06
Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
				B1	B2	Avg B			
W0312									
West to East	Sqm	1	15.00	5.50	5.50	5.50		82.50	
	Sqm	1	15.00	5.50	5.50	5.50		82.50	
	Sqm	1	3.50	2.20	2.20	2.20		7.70	
Cross Road									
West to East	Sqm	1	15.00	5.10	4.80	4.95		74.25	
	Sqm	1	15.00	4.80	4.30	4.55		68.25	
Chamber	Sqm	-10	0.44					-4.42	
Area of circle = $(3.14 \times 0.75^2) / 4 = 0.44$									
Total Executed Quantity								2498.84	
Qty Carried to Summary								2498.84	



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Ward No 06

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Change From To		Description of Item	Unit	No	Length	Breadth		Depth	Quantity	Remark
Item no.20	Measurements taken on				(m)	B1	B2	Avg B		
Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
Maruthi Layout W0609 From South to North										
0	15	Cum	1	15.00	4.70	4.50	4.60	0.15	10.35	
15	30	Cum	1	15.00	3.90	4.10	4.00	0.15	9.00	
30	37.2	Cum	1	7.20	4.10	4.00	4.05	0.15	4.37	
Chember										
		Cum	-3	0.44				0.15	-0.20	
Area of circle=(3.14X0.75²)/4=0.44										
Total Executed Quantity									23.53	
Qty Carried to Summary									23.53	



Contractor

PMC

Assistant Engineer

Assistant Engineer